



Pool Construction Material Comparison

Feature	Aqua Technics Nano-Graphene Fibreglass Pools	Standard Fibreglass Pools	Concrete Pools
Installation Time	Quick installation (1-2 weeks) due to pre-manufactured design with advanced technology.	Quick installation (1-2 weeks) due to pre-manufactured design.	Lengthy installation (2-4 months), including excavation, steelwork, and curing.
Structural Integrity	Enhanced strength with Graphene Nano Technology; highly resistant to cracks and warping.	Strong and durable but can be susceptible to some environmental stresses.	Prone to cracking, shifting, and surface degradation over time.
Heat Retention	Superior heat retention due to graphene's thermal conductivity, reducing heating costs.	Good heat retention, but less effective than graphene-enhanced pools.	Poor insulation and high heating costs due to lack of heat retention.
Surface Finish	Smooth, non-porous, and algae-resistant finish that stays cleaner longer.	Smooth surface that resists algae but may require more maintenance than nano-graphene pools.	Rough, porous surface that harbours algae and stains easily, requiring frequent maintenance.
Maintenance Requirements	Low maintenance; advanced surface resists chemicals, algae, and staining.	Low maintenance; easy to clean but less resistant to chemicals compared to nano-graphene.	High maintenance; frequent cleaning, chemical treatments, and resurfacing needed.
Durability	Up to 20% stronger than standard fibreglass; built to withstand harsh conditions with a lifetime structural warranty.	Durable with a lifetime structural warranty but less resilient than nano-graphene pools.	Susceptible to wear and tear; requires resurfacing every 7-10 years.
Flexibility	Enhanced flexibility reduces risk of cracking from ground movement.	Good flexibility but less advanced than nano-graphene technology.	Rigid structure that is more likely to crack under pressure or movement.
Energy Efficiency	Highly energy-efficient with superior heat retention and reduced energy costs.	Energy-efficient but less effective at heat retention than nano-graphene pools.	Poor energy efficiency; high heating costs due to poor insulation.
Installation Disruption	Minimal disruption; installation completed in days with advanced technology.	Minimal disruption; quick installation but without advanced benefits of nano-graphene.	High disruption with ongoing construction work, noise, and dust for months.
Warranty	Lifetime structural warranty and extensive surface warranty due to advanced materials.	Lifetime structural warranty but less coverage for surface durability compared to nano-graphene pools.	Limited warranties; frequent repairs often not covered.